MarketVector™ Indexes

BlueStar® US Machine Learning and Quantum Computing Index

The BlueStar® US Machine Learning and Quantum Computing Index (BUQFC) tracks the performance of the largest and most liquid US Exchange-listed companies in the quantum computing and machine learning industries. This is a modified market cap-weighted index, and only includes companies that generate at least 50% of their revenue from products and services related to quantum computing or machine learning, such as the development or use of quantum computers or computing chips, superconducting materials, applications built on quantum computers, embedded artificial intelligence chips, or software that specialize in the perception, collection, visualization, or management of big data.

Key Features

Index	957.51/86.67	957.51/541.09

Size and Liquidity Requirements
Full MCap of at least 150 mln USD. Three month average-daily-trading volume of at least 1 mln USD at a review and also at the previous two reviews. At least 250,000 shares traded per month over the last six months at a review and also at the previous two reviews.

Universe
Companies have to offer products or services related to quantum computing or machine learning technology, and be US listed.

Diversification
Companies are equally weighted.

Review
Semi-annual in June and December.

Index Data

INDEX PARAMETERS

Launch Date	08 Mar 2021	**Components**		53
Type	Sector	**Volatility** (250 days)		31.67
Currency	USD	**Full MCap** bn USD		12,534.85
Base Date	18 Dec 2015	**Float MCap** bn USD		10,243.38
Base Value	100.00	**Correlation*** (250 days)		0.00

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FUNDAMENTALS*

Price/Earnings Trailing	205.54
Price/Book	4.39
Price/Sales	4.28
Price/Cash Flow	16.72
Dividend Yield	0.79

as of 31 Dec 2024

ANNUALISED PERFORMANCE*

1 Month	-0.26%
1 Year	64.39%
3 Years	23.17%
5 Years	25.93%
7 Years	27.28%

Total Return Net Index

Sector Weightings

Sector	Count	Weight
Information Technology	44	83.04%
Industrials	5	9.30%
Communication Services	2	3.91%
Consumer Discretionary	1	2.16%
Health Care	1	1.58%

- Information Technology
- Industrials
- Communication Services
- Consumer Discretionary
- Health Care
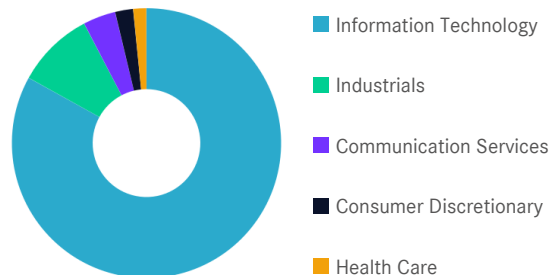
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Country and Size Weightings

Country	Count	Weight
United States	42	78.85%
Netherlands	4	7.28%
Cayman Islands	2	4.15%
Taiwan	1	2.00%
Finland	1	2.00%
Ireland	1	1.96%
India	1	1.90%
Israel	1	1.86%

Legend (pie chart): US, NL, KY, TW, FI, IE, IN, IL

Legend (pie chart): Large-Cap, Mid-Cap, Small-Cap, Micro-Cap
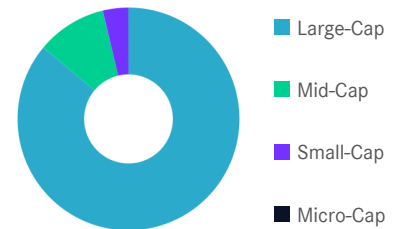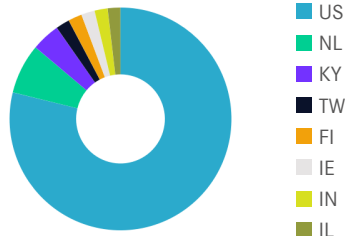
Size	Count	Weight
Large-Cap (> 6 bn)	46	86.10%
Mid-Cap (1.5 bn - 6 bn)	5	10.17%
Small-Cap (0.2 bn - 1.5 bn)	2	3.72%
Micro-Cap (0.0 bn - 0.2 bn)	0	0.00%

Index Components

Top Components by Weight	Country	Weight
RIGETTI COMPUTING INC	US	3.12%
D-WAVE QUANTUM INC	US	2.57%
IONQ INC	US	2.44%
ONTO INNOVATION INC	US	2.29%
ALIBABA GROUP HOLDING-SP ADR	KY	2.16%
KLA CORP	US	2.14%
INTERNATIONAL BUSINESS MACHINES CORP	US	2.10%
PALANTIR TECHNOLOGIES INC	US	2.10%
RTX CORPORATION	US	2.07%
QUALCOMM INC	US	2.02%
TAIWAN SEMICONDUCTOR-SP ADR	TW	2.00%
NOKIA CORP-SPON ADR	FI	2.00%
Subtotal		27.01%

Best Performing Components	YTD	1 Day
INTERNATIONAL BUSINESS MACHINES CORP	17.49%	12.96%
LAM RESEARCH CORP	11.77%	7.43%
ONTO INNOVATION INC	23.11%	6.97%
ALIBABA GROUP HOLDING-SP ADR	21.17%	6.22%
NOKIA CORP-SPON ADR	6.09%	5.86%

Worst Performing Components	YTD	1 Day
STMICROELECTRONICS NV-NY SHS	-9.81%	-8.97%
MICROSOFT CORP	-1.54%	-6.18%
TERADYNE INC	-8.61%	-5.71%
RIGETTI COMPUTING INC	-19.40%	-2.84%
MONGODB INC	16.43%	-2.61%

Symbols

	Symbol	ISIN	WKN	Sedol	Bloomberg	Reuters	Telekurs
Price Return	BUQFC	DE000SL0C6P6	SL0C6P	BMV3647	BUQFC	.BUQFC	110355584
Total Return Net	BUQFCNTR	DE000SL0C6Q4	SL0C6Q	BMV3658	BUQFCNTR	.BUQFCNTR	110355586
Total Return Gross	-	-	-	-	-	-	-

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For further information visit www.marketvector.com